Matrix functions and their application to heat and mass transfer problems. Inzh.-fiz. zhur. 8 no.3:380-385 Mr '65.

(MIRA 18:5)

1. Tadzhikskiy politekhnicheskiy institut, Dushanbe.

TSOY, P.V.

Heat transfer in a system of bodies under unsteady conditions.
Inzh.-fiz. zhur. 4 no.1:120-123 Ja '61. (MIRA 14'4)

1. Politekhnicheskiy institut, Stalinabad. (Heat—Transmission)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001757130006-1"

L 3638-66 EWT(1)/ETC/EWG(m)/ETC(m) JW

ACCESSION NR: AP5022385

UR/0170/65/009/003/0318/0322 536.75

AUTHOR: Tsoy, P. V.

TITLE: The thermodynamics of irreversible processes and derivation of a system of differential equations for molecular transfer

SOURCE: Inzhenerno-fizicheskiy zhurnal, v. 9, no. 3, 1965, 318-322

TOPIC TAGS: thermodynamics, irreversible process, mass transfer, heat conductivity, boundary layer theory

ABSTRACT: The article derives a system of differential equations for molecular transfer in the presence of interrelated fluxes of generalized charges on the basis of the linear laws of the thermodynamics of irreversible processes and the law of conservation of matter. These differential equations define the parameters of the whole system, such as thermal conductivity, the diffusion coefficient, and electrical conductivity. The article goes on to discuss analytical solutions of boundary value problems under different initial boundary conditions for a system

Card 1/2

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001757130006-1

THE RESERVE OF THE PROPERTY OF

L 3638-66

ACCESSION NR: AP5022385

3

of differential equations of the parabolic type. It is claimed that these methods for solution of boundary value problems and an analysis of the solutions leads to new methods in the experimental and theoretical investigation of the mechanism of heat and mass transfer. The method used by the authors consists in the reduction of a system of n differential equations of the parabolic type to the type of nonhomogeneous thermal conductivity equations. This method is essentially a generalization of the method of d'Alembert. Orig. art. has: 15 formulas

ASSOCIATION: Tadzhikskiy politekhnicheskiy institut, g. Dushanbe (Tadjik

Polytechnical Institute, Dushanbe)

SUBMITTED: 00

ENCL: 00

SUB CODE: TD

NR REF SOV: 004

OTHER: 000

BVK

Card2/2

TSOY, P.V.

Solution of a system of differential equations describing molecular transfer in the case of two coupled flows of generalized charges.

Dokl. AN Tadzh. SSR 6 no.2:11-15 '63. (MIRA 17:4)

1. Tadzhikskiy politekhnicheskiy institut. Predstavleno akademikom AN BSSR A.V.Lykovym.

TSOY, P.V.

Solving a system of differential equations of molecular transfer in the presence of three interconnected flows of generalized charges. Inzh.-fiz. zhur. 6 no.4:111-117 Ap '63. (MIRA 16:5)

1. Politekhnicheskiy institut, Dushanbe. (Heat—Transmission) (Mass transfer) (Differential equations)

L 15738-63 EWT 11/EPF(n - 2/BDS AFFTC/ASD/IJF(0 / 58D Pa-4 S/0124/63/000/005/B10 S/0124/63/S/S/S/S/S/S/S/S/S/S/S/S/S/S/S/S/S/S/	fM 09/B109
SOURCE: Rzh. Makhanika, Abs. 58670	61
AUTHOR: Tsoy, P.V. TITLE: On the analytic theory of energy and mass transfer of chemically matter	bound
CITED SOURCE: Izv. AN TedzhSSR. Otd. geolkhim. i tekhn. n., no. 3(5), 39-49	
TOPIC TAGS: mass transport, heat transport, thermal transport, chemical formation, chemical binding, phase, phase transition, Fourier transform, transformation	phase

TRANSLATION: Systems of differential equations of thermal or matter transport, which occur under the conditions of phase or chemical transformation, are considered. It is pointed out that this system is a system of differential equations in partial derivatives of the parabolic type.

Card 1/2

occurrence of potential fields dimensional media with boundar The determination temperature distribution funct transform with respect to cook	ry conditions of the secon on of the matter distribut tions are carried out by t rdinates and the Laplace t	afer for semiorganic three ad type. tion functions and the the method of Fourier transform with respect	
to time. After the transition the desired general solution tare also considered. Yu.F. Di	to the problem is obtained Ityakin	i. Some special cases	
to time. After the transition the desired general solution to	to the problem is obtained	i. Some special cases	
to time. After the transition the desired general solution tare also considered. Yu.F. Di	to the problem is obtained Ityakin	i. Some special cases	
to time. After the transition the desired general solution tare also considered. Yu.F. Di	to the problem is obtained Ityakin	i. Some special cases	
to time. After the transition the desired general solution tare also considered. Yu.F. Di	to the problem is obtained Ityakin	i. Some special cases	
to time. After the transition the desired general solution tare also considered. Yu.F. Di	to the problem is obtained Ityakin	i. Some special cases	

L_13150-63 EWT(d)/EPF(c)/EWT(1)/EPF(n)-2/FCC(w)/BDS AFFTC/ASD/SSD

Pr-4/Pu-4 IJP(C)

\$/170/63/000/004/015/017

1

AUTHOR: Tsoy, P. V.

TITLE: Solution of a system of differential equations of molecular transfer

for three interconnected flows of generalized charges

PERIODICAL: Inzherno-fizicheskiy zhurnal, v. 6, no. 4, 1963, 111-117

TEXT: The author presents a method for solving a system of differtial molecular-transfer equations under generalized bounday conditions. The author demonstrates that the solution of a boundary problem for a system may be reduced to that of the corresponding boundary problem for an equivalent heat-conduction equation with an internal source. In concluding, he notes that the expounded method can also be used for a system of n differential equations of molecular transfer in the presence of n connected flows of "generalized charges" (with n greater than 3).

ASSOCIATION: Politekhnicheskiy institut (Dushanbe) (Polytechnic Institute,

Dushanbe)

SUEMITTED: Nov 28, 62

Card 1/1

TSOY, P.V.

Boundary value problem for a generalized system of equations of energy and mass transfer. Inzh.-fiz. zhur. 4 no.4:69-74 Ap 161.

(MIRA 1415)

1. Politekhnicheskiy institut, g.Stalinabad. (Heat—Transmission) (Mass transfer)

17.4430 2807

S/170/60/003/012/006/015 B019/B056

11,9400

AUTHOR:

Tsoy, P. V.

TITLE:

The Problem of Heat and Moisture Transfer in Evaporation

and the Boundary Conditions of Second Kind

PERIODICAL:

Inzhenerno-fizicheskiy zhurnal, 1960, Vol. 3, No. 12,

pp. 53-57

The heat and mass transfer in capillary-porous bodies is described

by differential equations suggested by A. V. Lykov, which have the form: $\frac{\partial U}{\partial t} = \frac{a_1^2 \partial^2 U}{\partial x^2} + \frac{a_2^2 \partial^2 T}{\partial x^2}$ (x > 0, t > 0) (1) $\frac{\partial T}{\partial t} = \frac{a_2^2 \partial^2 T}{\partial x^2} + \frac{a_4^2 \partial U}{\partial t}$

for a unilaterally bounded, one-dimensional body. T is the temperature; U is a potential function; and t is the time. This set of equations is investigated under the boundary conditions of second kind: $U(x, 0) = f_1(x), T(x, 0) = f_2(x)$ (2)

Card 1/2

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001757130006-1"

The Problem of Heat and Moisture Transfer in Evaporation and the Boundary Conditions of Second Kind

S/170/60/003/012/006/015 B019/B056

 $\partial U/\partial x \Big|_{x=0} = \varphi_1(t)$, $\partial T/\partial x \Big|_{x=0} = \varphi_2(t)$

(3)

General solutions of the set and particular solutions to it are obtained for $a_2^2 = 0$. There are 3 Soviet references.

ASSOCIATION: Politekhnicheskiy institut, g. Stalinabad (Polytechnic

Institute, Stalinabad)

SUBMITTED:

May 27, 1960

Card 2/2

Boundary value problem for a system of differential equations of the parabolic type. Inz.-fiz. zhur. 4 no.12:61-69 D'61. 1. Politekhnicheskiy institut, Dushanbe. (Boundary value problems) (Differential equations, Partial)

TSOY, P.V.

Transfer of heat and moisture in the case of evaporation and with boundary conditions of the second kind. Inzh.-fiz. zhur. no.12:53-57 D '60. (MIRA 14:3)

1. Politekhnicheskiy institut g. Stalinabad.
(Heat—Transmission)
(Mass transfer)

TSOY, P. V.

"Analytical Solutions of a System of Equations of Heat and Mass Transfer For a Half-Limited Medium at Various Boundary conditions."

Report submitted for the Conference on Heat and Mass Transfer, Minsk, BSSR, June 1961

Froblem for a system of differential equations describing erergy and mass transfer. Dif. urav. 1 no.10:1390-1396 0 65.

(MIRA 18:10)

1. Tadzhikekiy politekhnicheskiy institut.

TSOY, P.V.

Irreversible-process thermodynamics and the derivation of a differential equation system of molecular transfer. Inch.-fiz. zhur. 9 no.3:318-322 S 165. (MIRA 18:9)

1. Tadzhikskiy politekhnicheskiy institut, Dushenbe.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001757130006-1"

S/170/61/004/001/018/020 B019/B056

24.5200 (1498, '537, 1103)

AUTHOR:

TSOV. P. V.

TITLE:

Heat Exchange of a System of Bodies at Nonsteady Conditions

PERIODICAL:

Inzhenerno-fizicheskiy zhurnal, 1961, Vol. 4, No. 1,

pp. 120-123

TEXT: An unilaterally bounded body with the physical parameters λ_1 , c_1 , g_1 and the temperature $U_1(x,0)=f_1(x)$ is brought into contact with the unilaterally bounded body with g_2 , g_2 , and the temperature $U_2(x,0)=f_2(x)$. The further temperature course and the heat flow in these bodies investigated. The thermal conductivity equations and the boundary conditions are given, and further, the coupling condition of U_1 and U_2 on the interface is formulated. The author obtains the following solutions:

Card 1/3

1000 建脂醇

Hoat Exchange of a System of Bodies at Nonsteady Conditions

s/170/61/004/001/018/020 B019/B056

The function $\gamma(t)$ is derived from the coupling condition of the temperatures on the interface. In conclusion, a special case, in which the temperatures of the two bodies are assumed to be constant, is dealt with. A. V. Lykov and G. Greber are mentioned. There are 7 Soviet references.

Card 2/3

Heat Exchange of a System of Bodies at

Nonsteady Conditions

S/170/61/004/001/018/020 B019/B056

ASSOCIATION: Politekhnicheskiy institut, g. Stalinabad (Polytechnic

Institute, Stalinabad)

SUBMITTED:

October 8, 1960

Card 3/3

TSOY, P. V., CAND IECH SCI, "ANALYTICAL INVESTIGATION OF HEAT AND MASS EXCHANGE IN SEMILIMITED DISPERSIVE MEDIA."

MINSK, 1961. (ACAD SCI BSSR. DEPT OF IECH SCI). (KL-DV, 11-61, 223).

-192 -

TSOY, P.V.

Problem of the transfer of heat and moisture in a half-space three-dimensional medium under boundary conditions of the second type. Inzh.-fiz.zhur. no.6:112-119 Je '60. (MIRA 13:7)

1. Politekhnicheskiy institut, g. Stalinabad. (Heat-Transmission) (Moisture)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001757130006-1"

TSOY, P. V.

"The deduction and solution of differential equations of molecular transfer involving interdependent flows."

report submitted for 2nd All-Union Conf on Heat & Mass Transfer, Minsk, l_{1} -12 May 196 l_{1} .

Tadzhik Polytechnical Inst.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001757130006-1"

TSOY, P.V., kand. tekhn. nauk, dotsent

THE PERSON OF TH

Contact problem of nonsteady heat transmission with presence of internal sources. Izv. vys. ucheb. zav.; energ. 7 no.9:99-102 S 164. (MIRA 17:11)

1. Tadzhikskiy politekhnicheskiy institut. Fredstavlena kafedroy obshchey teplotekhniki.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001757130006-1"

EPF(n)-2/EWT(1)/TL 27258-66 ACC NR: AP6006146 SOURCE CODE: UR/037f/65/001/010/1390/1396 AUTHOR: Tsoy, P. V. B ORG: Tadzhik Polytechnic Institute (Tadzhikskiy politekhnicheskiy institut) TITLE: A problem for a system of differential equations for energy and mass transfer SOURCE: Differentsial'nyye uravneniya, v. 1, no. 10, 1965, 1390-1396 TOPIC TAGS: conductor, energy scattering, heat conduction, heat transfer, parabolic differential equation ABSTRACT: The author discusses the problem of the redistribution of the fields of generalized charges $u_{\nu}(x,t)$ (k = 1,2) (respectively the heat and mass of bound matter) in the case of imperfect contact of two semi-finite conductors. The velocities of the two mutually connected currents of generalized charges are investigated at the boundary of contact. The analytical theory of energy and mass transfer within a porous body reduces to the solution of a system of differential equations of the parabolic type with various boundary conditions. The general theory is discussed by A. V. Lykov and Yu. A. Mikhalov (Teoriya teplo- i massoperenosa, Gosenergoizdat, 1963). The problem is formulated mathematically as follows: Determine the distribution field of the generalized charges $u_k(x,t)$, $u_k^{(-1)}(x,t)$ (k=1,2) satisfying the following systems Card 1/2

L 27258-66

ACC NR: AP6006146

 $\frac{\partial u_k}{\partial t} = a_{k1}^2 \frac{\partial^2 u_1}{\partial x^2} + a_{k2}^2 \frac{\partial^2 u_2}{\partial x^2} + \vartheta_k(x, t), \qquad (1)$ $u_k(x, 0) = f_k(x), \quad (0 < x < \infty, k = 1, 2),$ $\frac{\partial u_k^{(-)}}{\partial t} = b_{k1}^2 \frac{\partial^2 u_1^{(-)}}{\partial x^2} + b_{k2}^2 \frac{\partial^2 u_2^{(-)}}{\partial x^2} + \vartheta_k^{(-)}(x, t),$ $u_k^{(-)}(x, 0) = f_k^{(-)}(x), \quad (-\infty < x < 0, k = 1, 2).$

At the boundary of contact of the two media (x = 0) the following coupling conditions in the case of imperfect contact are satisfied

$$\lambda_k \frac{\partial u_k}{\partial x} \Big|_{x=0+} - \lambda_k^{(-)} \frac{\partial u_k^{(-)}}{\partial x} \Big|_{x=0-} = \chi_k(t),$$

$$u_k(t+0,t) - u_k^{(-)}(-0,t) = \mu_k(t).$$

The problem for the case of simplified conditions is solved by suitable limiting transitions in the corresponding mathematically correct solution of the system of differential equations (1). Orig. art. has: 33 formulas.

SUB CODE: 12,20/

SUBM DATE: 19Dec64/

ORIG REF: 007/

OTH REF: 001

Card 2/2 /1/

TSOY, R.D.

Interrelation between copper fluctuations and the dynamics of protein fractions in the blood of typhoid and paratyphoid patients. Nauch.trudy uch.i prak.vrach.Uzb. no.38116-120 '62. (MIRA 16:2)

1. Iz kafedry infektsionnykh bolezney Tashkentskogo gosudarstvennogo instituta dlya usovershenstvovaniya vrachey (zav. - chlenkorrespondent AMN SSSR prof. I.K. Musabayev).

(COPPER IN THE BODY)
(TYPHOID FEVER)

(BLOOD PROTEINS) (PARATYPHOID FEVER)

TSOY, R.D.

Copper metabolism in the organism of typhoid and paratyphoid patients. Nauch.trudy uch.i prak.vrach.Uzb. no.3:108-115 '62. (MIRA 16:2)

1. Iz kafedry infektsiomykh bolezney Tashkentskogo gosudarstvennogo instituta dlya usovershenstvovaniya vrachey (zav. - chlenkorrespondent AMN SSSR prof. I.K. Misabayev).

(COPPER METABOLISM) (TYPHOID FEVER)

(PARATYPHOID FEVER)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001757130006-1"

ZOLOTAREV, N.V., kand.tekhn.nauk; VYSOTSKIY, L.I., kand.tekhn.nauk; TYURIN, Yu.M., inzh.; TSOY, R.I., kand.tekhn.nauk

Hydraulic calculation and selection of an efficient design of sand classifiers for grinding industrial glass. Stek. 5 ker. 21 nc.12:7-9 D *64. (MIRA 18:3)

1. Saratovskiy politekhnicheskiy institut (for Zolotarev, Vysotskiy).

2. Saratovskiy filial Instituta stekla (for Tyurin, TSoy).

CONTRACTOR OF THE PROPERTY OF

Using infrared radiation in laboratory practice. Stek. i ker.
18 no.6:40-41 Je '61.

(Infrared rays-Industrial applications)
(Ceramic industries)

PANASYUK, V.I.; ASLANOVA, M.S., doktor khim. nauk, prof., retsenzent; TSOY, R,M., kand.tekhn.nauk, retsenzent; VAKS'AN, E.Ya., irzh., retsenzent; PLEMYAHNIKOV, M.H., red.; ZOLOTARZVA, I.Z., tekhr. red.

[Chemical control of glass manufacture] Khimicheskii kontrol' proizvodstva stekla. Leningrad, Rastekhizdat, 1962. 195 p. (MIRA 15:7) (Glass manufacture—Chemistry)

"APPROVED FOR RELEASE: 03/14/2001 CI

CIA-RDP86-00513R001757130006-1

TSOY, S., Cand Tech Sci-(dies) "Study of the performance of air multiple was hope across in the air distribution of mining developments." Alexa-Ata, 1950.

18 pp with drawings (Lin of Higher Education USSR. Haselthelin Liming Letallurgical Inst), 150 copies (LL, 48-58, 105)

-36 -

TSOY, S.; ROGOV, Ye.I.

Designing a complicated ventilation system. Trudy Inst. gor. dela AN Kazakh. SSR 11:137-142 '63. (MIRA 16:8)

(Mine ventilation)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001757130006-1"

ROGOV, Ye.I., inzh; TSOY, S., inzh.

Theory of calculating ventilation systems. Izv. vys. ucheb. zav.; gor. zhur. 7 no.3:69-75 64 (MIRA 17:8)

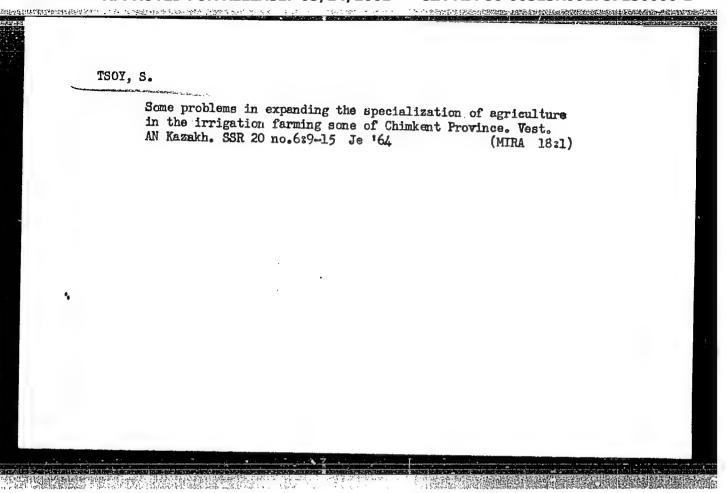
1. Institut gornogo dela AN Kazakhskoy SSR. Rekomendovana kafedroy rudnichnoy ventilyatsii.

KEKIN, A.A.; TSOY, S.; SOLONITSYN, B.P.

Condensation settling of dust in suspension. Trudy Inst.gor.dela AN Kazakh.SSR 9:198-204 '62. (MIRA 15:8) (Mine dusts-Removal)

TSOY, S., kand. tekhn. nauk; ROGOV, Ye.I.

Determining the conditions of optimal regimes for simultaneous operation of fans. Vest. AN Kazakh. SSR 19 no.12:55-64 D '63. (MIRA 17:12)



TSOY, S.; ROGOV, Ye.I.

Regulating the air in complex ventilation systems. Trudy Inst. gor. dela AN Kazakh.SSR 12:143-150 '63. (MIRA 17:8)

TSOY, S.; ROGOV, Ye.I.

Calculating the regulation of air flow by above ground and underground mine fans. Trudy Inst.gor.dela AN Kazakh.SSR 15-20.26 46/

Controlling the neutral depression zone in the forced and exhaust method of ventilating coal and ore mines. Tbid.:27-38

(MIRA 18:2)

PETROVICH, S.I.; TSOY, S.

ACTOR CONTROL OF THE SECOND CONTROL OF THE S

Comparative evaluation of electric modeling devices for calculating ventilation systems. Trudy Inst.gor.dela AN Kazakh.SSF

Calculating ventilation systems on an electric modeling device.

[MIRA 18:2]

TSOY, S.; PETROVICH, S.I.

Optimum regulation of air consumption in mine ventilation systems. Vest. AN Kazakh. SSR 21 no.1:45-50 Ja 165.

(MIRA 18:7)

TSOY, S.; ROGOV, Ye.f.

Fundamentals of the theory of calculation of the ventilation regimes for simultaneously operating fans. Vest. AN Kazakh. SSR. no.6:20-32 Je *63. (MTR: 17:7)

TSOY, S.; ROGOV, Ye.I.; GULIY, V.M.

Determination of the zero zone in ventilating systems used in the high pressure-low pressure method of mine ventilation. Izv.AN Kazakh. SSR. Ser.tekh.i khim.nauk no.1:77-83: '63. (MIRA 17:3)

KEKIN, A.A.; TSOY, S.; SOLONITSYN, B.P.

Removing dust from underground mechanical ore-crushing chambers.
Trudy Inst.gor.dela AN Kazakh.SSR 9:181-187 '62. (MIRA 15:8)
(Mine dusts-Removal)

KEKIN, A.A., kard.tekhn.nauk; TSOY, S., kand.tekhn.nauk; STAKHANOV, A.N.

Dust collector made of a Venturi tube and a cyclone. Bor'ba s sil.
5:195-202 '62. (MIRA 16:5)

1. Institut gornogo dela Kazakhskoy SSR. (Dust collectors)

Method of designi	ng complex diagonal venti	lation systems.	
Trudy Inst. gor.	dela AN Kazakh SSR 4:158-	168 '60. (MIRA 13:9)	
	(Mine ventilation)	(
	•		

SHEPELEV, S.F., TSOY, S., ZALEVSKIY, Yu.A.

Air curtains as means of controlling air distribution on mines and methods to calculate them under the effect of countercurrents. Trudy Inst. gor. dela AN Kazakh. SSR 5:132-155 '60.

(MIRA 13:8)

(Mine ventilation)

FIGURE 1 BOOK MINISTER. (1975) Obsertablishing to prilladogo genory distants. Almosts, 1976 Tanay Gonemics, as population genory distants, and almosts, 25-26 dispairs, 25-26 decident 1976 Apparating the statement of the Conference on Applied due pumpets, 1861 in Lands, 25-26 decident 1976 Apparating decision and the literate 1976 Conference on Applied due pumpets, 1861 in Lands, 25-26 decident 1976 Apparating decision and the literate 20 decident of principal principal and almost and a		الاستوادي
·	504/5290	
	Alma-Ata, 1956	ecsec.erse
Spensoring Agneral: Andmentys mank Examinatory SER. Kanahankiy gondunturensy universited for 12th Minney. Allorial Book 15th Minney. Part Deliver, For State 15th Minney. Transantions of the Conference foot:) Son/Scot. Transantions of the Conference foot:) Son/Scot. Transantions of the Conference foot:) Son/Scot. Son/Scot. Transantions of the Conference foot:) Son/Scot. Son	Someshcharlys po prilibation gracovoy dinarize, g. Alma-Ats, 29-26 oktyabrys 55 g. (Emacancian of the Carorenee on Arplied Gos Dynarice, Reld in ma-Ats, 23-26 October 1956) Alma-Ats, Ird-vo Al Karahiskoy SSN, 1959. 7. Errara alip insorted, 900 copies printed.	
Riverial Boace, Rep. Ed., I.A. Walls V.P. Lambacovy, T.P. Jeonivers and B.P. Uniterial. Edit. V. Adminately P. Tech. Ed., Z.P. Robbian. B.P. Uniterial. Edit. V.V. Adminatelyshiy. Tech. Ed., Z.P. Robbian. AND RIVERS. This work is intended for personal of extentific reserve intitutes and industrial engineers in the field of suprised Third Inchmise, and may be of inderst to students of marmaced courses in the field, Fransactions of the Conference (Cost.) SOVYSANG: The New York of Soviety of the Anders O'S pipers read at the Kanabachy general conference on Ess dismans which was connected under the intitution of the Kanabachy general Soviety of the Anders O'S pipers read in the Manhabachy and S.P. KILDON and the Intelligence of the Conference of Theory of Statemen Kanabachy and S.P. KILDON and A.L. OCCUPANCE and S.P. Edgelmon, S.	Sponsoring Agrang: Akadenlya zank Karakhnkoy SSR. Karakhskiy gosudnesivennyy universite: ineni S.M. Kirova.	L SP LIGHT
PROPER: This book is standed for advanced course in the field, and industrial regiments in the rich of expired four inchmins, and may be of inferent to students of advanced course in the field, COURAGE: The book consists of the "a ripition of 31 papers read at the assistance or gas dynamics which was convened under the initiative of the Kasabbady genance when without the initial Adminish make Enabling SENS Institutes of Power Englands that in S.W. Kirow (Kanab State Briver- sist institutes of Power Englands that is a second adminishment of the state of Power Englands that is a second to the state of t	Editorial Board. Resp. Ed.: L.A. Wills; V.P. Eachkarov; T.P. Leont yevs and B.P. Ustinerks. Ed.: V.V. Aleksandriyskiy. Tech. Ed.: Z.P. Rorokin.	
Transactions of the Conference (Cost.) CONTRAGE: The book consists of the '- a ripitoms of 31 papers read at the conference or ges dynamics with the conference or ges dynamics with the conference or ges dynamics and the Training the Accession with Manahology SCSS states and the Training convened units Accession with Manahology SCSS states and the Training of Sciences Acadalizan SCSS states and the Conference of Sciences and Acadalizan Sciences and Acadalizan and Sciences and Acadalizan and Sciences and Sci	WRPORE: This book is intended for personnel of scientific research instituted and industrial engineers in the field of applied fluid sechanics, and may be of interest to students of advanced courses in the field.	
conference or gas dynamics which was convened under the initiative of the fastabacky generative with was convened under the initiative of the fastabacky generative may with varieties of the fastabacky generative of the fastabacky generative of the fastabacky generative of the fastabacky generative of the fastabacky of stones characteristics of the fastabacky of the fastaback generative of the fastaback, and but Corolors 2.0%, 1996. Thrue breaches of spitial gas department of the fastaback, and but Corolors 2.0%, 1996. Thrue breaches of spitial gas dynamics of the speciment of the conference centrals in the material significance of the speciment of the conference of the fastaback gas general in the fastaback of the fastaback of the conference centrals in the fastaback of indication of the fastaback of the indication of the conference central fastaback of the indication of the fastaback of fastabacky 1.1, Markow, 1.0, Loyov (fineral as A errophorate) pastaback of the fastaback of fastabacky 1.1, Markow, 1.0, Loyov (fineral as A errophorate) pastaback of the fastaback of the fasta	Transactions of the Conference (Cont.) SGV/5290	ar of Bush
Antonova, 6.5. Investigating Turkalance burners are found at the end of Secation of October 24, 1996 (Norming) Antonova, 6.5. Investigating Turkalance Characteristics of a free Ensistence of an an Open Flace Free Ensistence of and an Open Flace Kachimary, 7.2. (Candidate of Privalence Characterists). Transactions of the Conference (Cont.) Econtivery File (Candidate of Tenden) Soleties). "quasion of Avially Symmetrical Jetts framilies and Contentry Flow. Bukharan, 5.V. Bregalantly of Mation and Contentry Flow. Bukharan, 5.V. Bregalantly of Mation and Contentry Flow. Bukharan, 5.V. Bregalantly of Mation and Contentry Flow. Contents of the Dismussion in Brief Seasion of October 24, 1996 (Frentry) Grethina, 5.V. Expansion of an Axially Symmetrical Jet of Gan in a fri Chebyshow, P.T. [Vaccoyuzary cletrostakholdhadity Lastitud (All-Union Flection-Chebyshow, P.T. [Vaccoyuzary cletrostakholdhadity Lastitud (All-Union Flection-Chebyshow) P.T. [Vaccoyuzary Chebyshow) P.T. [Vaccoyuzar	COVEMENT: The book consists of the " riptices of 31 payers read at the conference or gas dynamics which was convexed under the initiative of the Kandhridy grandarstvennyy universitet innt 5,M. Kirowa (Kandh State University from 1, M. Kirowa (Kandh State University from 1, M. Kirowa (Kandh State University) and the Institute of Forest State University of the Kanderst State	And the state of t
	es a member of the same university. References are found at the end of Sension of October 21, 1996 (Norming)	
•		EXSEL
		i de la company
	go vojemi	M-23-M204-0 G
	Argularity of Motion and Convustion of Conj Perticion	WLES-
	the Criess in the Viscous	
	Season of October 24, 1956 (Frening)	LIMBE !
	ď	CO-CACA
Cred SA		
	כיבק צף	and and an
		2.7(2.4)21.

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001757130006-1"

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001757130006-1

Antenior, A.T. Investigating a Sentenstrictal Publisher Jet Antenior, A.T. Survey of the Vorbal of the Particular Station of grades of the Carlow of the Vorbal of the Particular Station of Mainton of the Set Theory of the Vorbal of July Particular Station of Mainton of the Set Theory of the Vorbal of Mainton of Mainton Anter Conduit . Sension of Conduit : An Second Station of Particular Station of Particular Station of Particular Station Ordered at the Description of Particular Station of Particular Station Excellency A.D. [Conduitor of Particular Stations (Conduit Particular) Noticeal Yea, and Station than Polimorous Principal (Settled Thatist Particular) Excellency Station of Conduitor of Particular Stations (Conduit Particular) Some Mainton of the Conduitor of Particular Stations (Conduit Particular) Some Mainton of Conduitors of Particular Stations (Particular Stations) [Verificial Station of Conduitors of Particular Stations (Particular Stations) Antendamenty, A.S. Some beredynades Problems of a PoorPhase Play in Some Station of Particular Stations, On the Problems of the Vorbing Problems of the Description of Conduitor of Particular Stations (Particular Stations) [Verificial Station of Particular Stations of Particular St	Trus sactions of the Conference (Cont.) 504/5230	•	
H.E. Survey of the Vorla of the bpartarn of Hydromenor the Leningual Polycehnical Institute Lenin Kalinin trimory 1. S.F., and S. Tuoy. Place Jot in a Gross Section of an interpretation of the Discussion in Build Session of October 25, 1956 (Marring) Session of October 25, 1956 (Marring) Sampy smilter lenin Poliumora, Leningual General Turbine and motified the Institute Lenin Naturory, Leningual General Turbine and motified the Institute Lenin Naturory, Leningual General Turbine and motified the Institute Leningual State of Pursue Oylone Chadaers and of the not Goal Powder Planetized Goal Service of Power Fredhead Sciences, Narviyanales of the Pet Jan. Sampy and I.P. Residence (Bont.) Samp of the Polium Glumber Service Chades of Optione Glumber Service of Marring Colone Chadaers O.V. Generalistic Aerodynamic Laws of Cyclone Chadaers of the Discussion in Brief Session of October 25, 1976 (Evening) A.S. Regularities of Ges Flace Burning M.J. (Candilate of Technical Sciences; Institut energetth s of Power Engineering). Unificot Place of Palverized Goal A.S. Regularities of Ges Flace Burning W. Aerodynamics of Technical Sciences; Institut energetth s of the Discussion in Brief First Coal England Coloner 25, 1956 Prof. C. Schillates of Technical Sciences; Institut Engretical First Coal England of Open Harth Pursues of the Discussion in Brief Rical Institute of Schiller, Schiller, Schiller, Schiller, Schiller, Schiller, Schiller, Schillate, Schiller, Schillate, Schiller, Schillate, Schiller, Schillate, Schiller, Schillate, Schiller, Schillate, Schiller,	Trofficatio, A.T. Investigating a Semi centricted Turbulent Jet	100	
18.7., and S. Tooy. Place Jot in a Gross Scation of an Milt. 19, V.G. Use of Bydrointegrators Pr Solving Jet Prublem 10 the Discussion in Brief Session of October 25, 1996 (Norming) Bession of October 25, 1996 (Norming) Many institut least Polismora, Leringrad (Gentral Turbite and Mantine Leant Polismora, Leringrad). Mantinet Leant Polismora, Leringrad). Mantinet Leant Rollawora, Leringrad). Mantinet Leant Rolawora, Leringrad). Mantinet Leant Rolawora, Leringrad). Mantinet Leant Rolawora, Leringrad). Mantinet Leant Rolawora, Leringrad). Saw/5290 Jen P. Goaldidte of Weehnlead Sciences, Marvigraches of the Prubase of the Working of a Cyclone Chambers Manuace of a Cyclone Chamber. Saw As and I.P. Rasina. On the Prubase of the Working in a Cyclone Chambers Of the Discussion in Brief Session of October 25, 1956 (Evening). Manuace Chamber of Session of October 25, 1956 (Evening). Manuace Chamber of Committed Sciences; Inmittut erargettid of the Discussion in Brief Manuace Chamber of Committed Sciences; Inmittut erargettid of the Candidate of Gene Flare Burning Sciences; Inmittut erargettid of the Candidate of Candidate of Candidate (Ural Actober 25, 1956). Manuace Chamber of Committed Sciences; Municity Inmittut the Milton, Sorialowski Inmittut the Sciences of the Mantinet of Roman Engineering of the Members of the Mantinet of Roman Engineering of the Members of th	Abathov, M.I. Survey of the Works of the Department of Mydrouero- dynantes of the Leningrad Polytechnical Institute imeni Kaliniu on the let Theory	101	
of the Discussion in Brief Seaston of Getober 25, 1956 (Marring) sea, B.D. [Candidate of Technical Sciences; Docent, Tennin1'hyy Mamoy institut izent Polymora, Definitional Gentral Turbins and blicas of the Aerokynanics of Parace Cyclono Charbers and of the so of Coal Towder Pulverised Coal Sey/\$200 to 5t and 10, Farina, On Parace Cyclono Charbers and of the so of Coal Towder Pulverised Coal so of the Aerokynanics of Parace Sciences, Narelynanics of te, T. Some Aerokynanic Problems of a Two-Thace Plou in Nurmace Sey, A.Y., and I.P. Fanina. On the Problem of the Working B.V. Generalising Aerokynanic Favores of Syclone Charbers of the Discussion in Brief Seaston of October 25, 1976 (Evening) J. A.B. [Doctor of Technical Sciences; Institut energetitis of the Discussion in Brief Seaston of October 25, 1976 (Evening) J.A.S. Regularities of Gas Flare Burning A.S. Regularities of Gas Flare Burning A.S. Regularities of Gas Flare Burning J. A. Aerokynenics of Technical Sciences; Unalization Process of the Discussion in Brief Final Castlore, Service of the Aerokynes of the Discussion in Brief Pland Castlore, Services of the Aerokynes of the Discussion in Brief Final Castlore, Service of the Aerokynes of the Discussion of Power Englishes of Power Sciences of the Discussion of Power Englishes of Services of the Discussion of Power Englishes of Services of the Discussion of Power Englishes of th	S.F., and S. Tsoy. Place Jet in a Gross Section of	106	
of the Discussion in Brief Session of October 25, 1956 (Marming) Bens, B.D. [Candidate of Technical Sciences; Docent; Technical Intuity institute inent Polamory, Leningrad] Initiate inent Polamory, Leningrad] Diems of the Aerolymanies of Parace Cyclono Chackers and of the no of Coal Powder Pulverized Coal In of Coal Powder Pulverized Coal Service of the Aerolymanies of Parace Cyclono Chackers and of the test and of a Cyclono Chackers and the Parace Cyclono Chackers of the Aerolymanie Problems of a Two-Thace Flow in Farmace [e. V. Some Aerolymanie Problems of a Two-Thace Flow in Farmace [e. V. Generalizing Aerodynamic Laws of Cyclone Chackers Session of October 25, 1955 (Evening) J. A.B. [Doctor of Technical Science; Inmitted test-getth of the Discussion in Brief Session of Technical Science; Inmitted Cod A.S. Regularities of Gas Flare Burning A.S. Regularities of Gas Flare Burning A.S. Regularities of Open Wearth Paraces of the Conference (Cont.) SOV/5299 30 A. Aerolymanie Therital Regime of the Gasification Process of the Discussion in Brief Plan Cassion, October 35, 1955 Fig. Condition of Power Engineering Decention Process of the Discussion in Brief Plan Cassion, October 35, 1955 Fig. Charlette then River, Develored, Indication Process of the Discussion in Brief Recommend of Dever Engineering of the Aerolem of Marchines Dever Marchinany SSR) A.S. (Antituse of Power Engineering of the Aerolem of Marchines Dever Paraces Dever S. (Aerolemes) A.S. (Antituse of Dever Engineering of the Aerolemes) A.S. (Antituse of Power Engineering of the Aerolemes) A.S. (Antituse of Boyer Engineering of the Aerolemes) A.S. (Antituse of Power Engineering of the Aerolemes)	 Beapalors, V.G. Use of Hydrointegrators For Solving Jet Freblens	115	
Session of Getober 25, 1956 (Marming) many Jansline the Continent Sciences Docent; Tentral inputant introduces of the Naturoy Lenfard). John of Coal Fowder Pulverized Coal Diens of the Arndynamies of Purace Cyclono Characte and of the on of Coal Fowder Pulverized Coal Son/5200 Parace Cyclono Characte and of the Son/5200 Parace Cyclono Characte and of a Gyclone Characte of the Jet Son Arrayinates of the Jet Son Arrayinate of The Jet Son Arrayinate of the Jet Son Arrayinate Problems of a Two-Thuse Flow in Sy, A.W., and I.P. Fasina. On the Problems of the Working in Sylve Characteristic Archaptante Froblems of a Two-Thuse Flow in Sy, A.W., and I.P. Fasina. On the Problems of the Working in Sylve Characteristic Archaptant Getober 25, 1975 (Twening) Session of October 25, 1975 (Twening) A.S. Equiarities of Technical Colores; Indititut energethal action of Technical Colores; Undititutive the Kircy Sveridowk (Ural Archaptant and Theritate of Ges Flare Burning A.S. Pequiarities of Ges Flare Burning A.S. Pequiarities of Ges Flare Burning of the Discussion in Brief Process of the Conference (Cont.) SOV/5293 A.S. Arrayinate of Deen Hearth Puraces of the Discussion in Brief Process of the Conference of Technical Colores; Undititute of Phone of Pech Heal Colores; Undititute of Phone Forther Sylve Institut Erepevilla (Terture of Phone Forther Sylve Institut Franchisms Pouracted Continues Pouracted Continues Pouracted Continues Pouracted Forther Forthers of the America of the Pouracter Continues Pouracted Continues Pouract	Contents of the Discussion in Brief	ä	
son, B.D. [Gardlakte of Technical Sciences; Docent; Tsontral'nny Institut Lenn Polumory, Leningal). Mainty Institut Lenn Polumory, Leningal, Mainty Institut Lenn Polumory, Leningal, Mainter Lenn Polumory, Leningal, Mainter Lenn Polumory, Leningal, Mainter Lenn Polumory, Leningal, Marker Lenn Polumory, Leningal, Sow/5290 Sow/5290 Sow/5290 Sow/5290 Sow/5290 Sow/5290 Sow/5290 Sow/5290 Sow/5290 Mainter Chasher Session of October 29, 1976 (Twening) Mainter Lening Acrodynamic Laws of Cyclone Chachers of the Discussion in Eric Sow/5290	Session of October 25, 1956 (Morning)		
form of the Conference (Cont.) SOV/\$250 P. B.P. Candidate of Technical Sciences, hare; marked of a Cyclone Charles The Jet and of a Cyclone Charles The San Arrolymanic Froblems of a You-Thuse Flow in a Twalles The Science Charles Session of October 27, 1975 (Evening) Session of October 27, 1975 (Evening) Session of October 27, 1975 (Evening) A.B. [Doctor of Technical Science; Innitiat energetith A.B. [Doctor of Technical Science; Innitiat energetith A.B. The Distriction of Gas Flare Burning A.B. Regularities of a Turbulent Gas Flare A.S. Regularities of Gas Flare Burning A.S. Regularities of Science; undirection Process A.S. Regularities of Technical Science; undirection Frocess A.S. Marked Conference (Cont.) SOV/\$290 The Discussion in Brief First Condition of Ocen Hearth Purnsons of the Discussion in Brief First Condition of Contenting Science; Mocent). First School Heart Contenting Science; Mocent). First School Heart Science of the Analysis of Marked Sciences, Mocent). First School Heart Science of the Analysis of Marked School Sciences, Mocent). First School Heart School Sciences in Marked School	Katenal'son, B.D. [Gardidate of Technical Sciences; Docent; Tsentral'nyy kotlourbinny institute izeni Polamora, printend (Central Turbira and Baller Institute izeni Polamora, Leningrad), Sone Froblers of the Aerodyanica of Vursee Syclono Charbers and of the Goobusiton of Coal Powder Pulverized Coal	वर	
ic. v. the Conference (Gont.) SNV/5200 10. 8.P. Gandidate of Technical Sciences, larvignaries of its Set and of a Cyclone Chamber 12. W. Some Arrolymanic Problems of a Two-Thuse Flow in a Twanace 13. A.V., and I.P. Fasina. On the Problem of the Working 13. Cacles Chamber Session of October 29, 1995 (Evening) 14.8. [Doctor of Technical Science; Inmittat erargetika 15. A.S. [Doctor of Technical Science; Inmittat erargetika 16. A. A. Acrolymanics of Session of October 29, 1995 (Evening) 17. A.S. [Candidate of Technical Science; Inmittat erargetika 18. A. Acrolymanics of a Turbulent Gas Flams 18. A. Acrolymanics of Technical Science; Uralisky 18. A. Acrolymanics of Open Wearth Nurmoes 18. Technical Sciences (Cont.) 18. A. Acrolymanics Down by the Inmittat Frengetika 18. Cacle Good Hendel Of Technical Science; Mocent). 18. A. Acrolymanics Down by the Inmittat Frengetika 18. A. Acrolymanics Down by the Inmittat Frengetika 18. A. A. Conditions 18. A. Scoulting 18. A	Card 6/9		
the Jet and of a Cyclone Chuchar ite Jet and of a Cyclone Chuchar ite, V. Some Aerolymanic Problems of a Two-Thuse Flow in "Purmace ity, A.V., and I.P. Rasina. On the Problem of the Working G.V. Generalizing Aerodynamic laws of Cyclone Chambers of the Discussion in Brief Session of October 27, 1975 (Evening) Session of October 27, 1975 (Evening) A.B. [Doctor of Technical Science; Innitius energetiki e of Power Engineering)]. Unificat Flams of Pulverized Goal A.S. Regularities of Gas Flam Burning A.S. Regularities of Gentus Science; Untilesty A.S. Aerodynches of Technical Science; Untilesty Independent antitut treaf Kirov, Sevalovek (Uniledial Institute treaf Kirov, Sevalovek) A.S. Aerodynches of Technical Science; Untilesty of New Con Hearth Regime of the Gastin Process of the Discussion in Brief P. The Discussion in Brief Prat. Condition of Cosh feat Science; Mosert). Karathakany SSR) P. The Conditions for the New Jensel Process of the Acadery of Readers, Sould Ministers of Power SSR) P. S.W. (Processed). Fracte Froblems of Flow Therrollers for the Conditions Prat. Conditions		-	
it. V. Some Arrolymusic Problems of a Two-Thuse Flow in a Twarmace In a Cyclore Charber G.V. Generalizing Acrodynamic laws of Cyclone Charbers G.V.B. [Doctor of Tweinfeal Science; Inmittat energetiki is of Power Engineering]. Unifious Plans of Pulverized Coal A.B. A. Acrodynamics of a Turbulent das Flans M.A. Acrodynamics of a Turbulent das Flans M.A. Acrodynamics of Technical Science; Uralization M.A. Acrodynamics of a Turbulent das Flans M.A. Acrodynamics of a Turbulent das Flans M.A. Acrodynamics of Technical Science; Uralization G. Fer Gao Hends of Open Hearth Purmoes of the Discussion in Brief Plant Center of Power Engineering Cotober No. 1995 P. Th. Comittee of Power Engineering of the Academy of Karatharany SRP Power Coultins Funte Problems of Flow Therestrates Funtations Funter of Power Engineering of the Academy of Furthur of Power Engineering of the Academy of	l'atimenko, B.P. Candidnie of Trehnical Referens, harviynamics of En Involute Jet and of a Cyclone Charhon	101	
in a Cyclore Chanker. On the Problem of the Working in a Cyclore Chanker. G.V. Generalizing Aerodynamic laws of Cyclone Chackers. G.V. Generalizing Aerodynamic laws of Cyclone Chackers. Session of October 27, 1976 (Evening). J.A.B. [Doctor of Technical Science; Inmitted energetiking of Poere Engineering)]. Unified Plans of Pulverized Goal. A.S. Regularities of Gas Flare Burning. A.S. Aerodynamics of a Turbulent Gas Flans of Pulverized Goal. B.A. Aerodynamics of a Turbulent Gas Flans. SOV/5293 Sh. A. Aerodynamics of a Turbulent Gas Flans. Solving Minitut from Kirova, Sevallovak [Unitable Minitut from Kirova, Sevallovak]]. Inhustrial of New Gas Heads of Open Hearth Purnaces y Yo. P. On the Therral Rirova, Sevallovak [Unitable Minitut from Minitut From Minitut from Process of the Discussion in Brief P. In. (Schallahe of Technical Cotober No. 1955 foot the Discussion in Brief Randinkay SSR) P. In. (Schallahe of Publican of Flow Therrollang of Minitut from Process Poeric of House feature Froblems of Flow Therrollang Farthura, Corulling P. In. (Schallang Minitut from Flow Therrollang Farthura, Corulling	one Arrelynanic Problems of a Two-Thuse Flow	242	
of the Discussion in Brief Session of October 23, 1956 (Evening) Session of October 23, 1956 (Evening) Session of October 23, 1956 (Evening) A.B. [Doctor of Technical Science; Inditiut erargetiki A.S. Pregularities of Gas Flare Burning M.A. Acrodynvales of a Turbulent Gas Flare M.A. Acrodynvales of a Turbulent Gas Flare M.A. Acrodynvales of a Turbulent Gas Flare M.A. [Cendials of Technical Science; Unitiation M.A. Acrodynvales of a Turbulent Gas Flare M.A. Acrodynvales of a Turbulent Gas Flare M.A. Cendials of Technical Science; Unitiation M.A. [Cendials of Technical Science; Material of Her Cas Heads of Open Hivath Purnaces i Ye. P. On the Therman Regime of the Gasification Process of the Discussion in Brief P. The Discussion in Brief P. The Discussion in Brief Flat Dession Geober 25, 1955 Flat Cashidate of Technical Colorer Meakers of Mathianny SSR) P. M. (Processed). Funde Froblems of Flow Thermolynamics Bourland Cordiilms P. M. (Processed). Funde Froblems of Flow Thermolynamics Bourland Cordiilms	 Tonionogly, A.W., and I.P. Ensina. On the Problem of the Working Process in a Cyclore Chamber	150	
of the Discussion in Ericf Session of October 27, 1975 (Evening) 5.4.3. [Doctor of Technical Calence; Innitiut energetiki 6. of Power Engineering]. Unification Flave of Pulverized Coal A.S. Regularities of Gas Flave Burning A.S. Regularities of Gas Flave Burning 30.4/5:20 38. A. Acrodynamics of a Turbulent Gas Flave 38. A. Acrodynamics of a Turbulent Gas Flave 38. A. Acrodynamics of a Turbulent Gas Flave 39. A. Conditive of Technical Science; Unitarial and Mark [Canditive of Technical Science; Unitarial and Health Internal Regime of the Gasification Process of the Discussion in Brief Frail Canditive of Perin Science; Mocent). foot. On Helmodynamics Down by the Institut Frengetth Ringing of Helmodynamics Down by the Institut Frengetth Randshawny SSR) 7. 2.W. (Decembed). Findle Froblems of Flow Therrollings Pourlant Corullings	Yakubov, C.V. Generalizing Aerodynamic Laws of Cyclone Chambers	23	
Session of October 27, 1975 (Evening) A.S. [Doctor of Technical Ecistocs; Institut energetitities of Power Engineering)], Unifor Flare of Power Engineering)], Unifor Flare of Power Engineering)], Unifor Flare Sov/5293 A.S. Regularities of Gas Flare Burning B.A. (Sendilate of Technical Science; Unitability Anthological Antitut From Kirove, Sevallovak (Unitability Anthological Institute from Kirove, Sevallovak (Unitability Anthological Institute from Kirove, Sevallovak), Inhustrial Antical Institute from Kirove, Sevallovak), Endistrial Of Lee Gas Heads of Open Hearth Purnaces of the Cas Heads of Open Hearth Purnaces of the Discussion in Brief France of the Gasification Process of the Discussion in Brief Footber 35, 1955 F. Zh. (Condilate of Power Forthers of the Anthology of Northers of Power Engineering of the Anthology of Markhalms Engineering of the Anthology of Northers and Phow Thereoly, Larges Power St. (Secence), Fuels Froblems of Flow Thereoly, Larges Power St. (Secence), Fuels Froblems of Flow Thereoly, Larges Power St. (Secence),	Contents of the Discussion in Brief	258	
4.8. [Doctor of Technical Sciences Inmilitat erergetifd to of Power Engineering]. Unifico Plans of Palverized Goal 4.8. Regularities of des Flare Burning Ans. Science (Cont.) SOV/5293 3b. A. Aerolyments of a Turbulent das Flans Hal. [Candidate of Technical Sciences Unitably Ancholary Inmiliated Interval Interval Sevendows (Unitable Interval	Session of October 25, 1955 (Evening)		
A.S. Regularities of Gas Flare Buning Jons of the Conference (Cont.) 30. A. Acrolymetes of a Turbulent Gas Flars B.I. [Candilate of Technical Science; Undersky Ackbeald; Mantitut Brend Kirove, Sweallowsk (Understand and Institute them! Kirove, Sweallowsk (Understand of Her Gas Heads of Open Hyarth Pursues y Ye. P. On the Therral Regime of the Gasification Process of the Discussion in Brief P. Ih. (Schwidshe of Puch feel Science; Meeri). P. Ih. (Schwidshe of Puch feel Science; Meeri). Fort on Hydrolymetes Dorr by the Inditut Frengetth Ranthelmy SSR) P. S.V. (Precented). Finate Froblems of Flow Therrolymerics Bourlang Corulling	Reinyakor, 1.8. (Doctor of Technical Sciences; Institut energetiki (Institute of Power Engineering)], Uniflow Flame of Pulwerized Goal	82	
Jams of the Conference (Cont.) 30. A. Aerolyments of a Turbulent das Flans Hal. [Candidate of Technical Science; Uralishiy adchasky institut from Nirve, Sverdhovsk (Ural adchasky institut from Nirve, Sverdhovsk (Ural add Institute from Kirov, Sverdhovsk), Industrial of New Son Hearth Regime of the Gasfication Process of the Discussion in Brief Prad Cossistent Science; No. 1955 P. Th. (Candidate of Technical Science; Beert), foor: on Nidhayandes Door by the Institut Ferrevital foor: S. (Arcconced), Fucie Froblers of the Academy of Bour-ar, Conditions	Telegin, A.S. Regularities of Gas Flare Burning	જુ	
JAME of the Conference (Cont.) 3b. A. Aerolymeales of a Turbulent dus Flans B.I. [Candialte of Technical Sciences; Urnistly Alchealdy Inality frows, Sevallowak]. And Estimate them Kirows, Sevallowak]. Inhustrial of Kew Gao Heads of Open Hearth Purpaces y Ye. P. On the Thermal Regime of the Gustfleation Process of the Discussion in Brief Frank Scenario, Getober 35, 1955 P. Ih. (SewHante of Puch few! Sciences; Beert). foot on Hydrolymedes Down by the Inality Ferrevith (Intellige of Puch few; Sciences; Beert). (Intellige of Puch few; Sciences; George of the Academy of Karathakaya SiR) y S.W. (Secences), Faste Froblem of Flow Thereoly, Larges bourder, Cordifinal		~~	
Ma. A. Aerodynvetes of a Turbulent das Flans Mal. [Candidate of Technical Science; Urnl'skip fichebaly institute treat Kirove, Sevellowsk (Urnl fichaldy institute treat Kirove, Sevellowsk). Enhancetal of Eev Con Hearth Merraces Yo. P. On the Therral Regime of the Gasification Process of the Discussion in Brief Piral Cession, Getober N, 1955 P. Zh. (Subdishe of Tech feel Science; Meeril, Fook on Hydrolynades Dome by the Institut Freepetiki (Irritute of Rower Engineering of the Academy of Karathekays SSR) y. S.V. (Specared). Faste Froblem of Flow Therrolynamics fouriage Corditions			
Har. [Candidate of Technical Sciences Unaltakiy nicheady institut frenk Rirow, Sverahovak (Ural nicheady institut frenk Rirow, Sverahovak (Ural nical Institute frank Rirow, Sverahovak). Industrial of Ye. P. On the Therral Regime of the Ganification Process of the Discussion in Brief Piral Bession, Getober N, 1955 P. Th. "Candidate of Technical Sciences Receipt Fore on Hydrodynandes Done by the Institut Respective force on Hydrodynandes Done by the Institut Respective force of Hydrodynandes Done by the Institut Science (Institute of Residence) Force on Hydrodynandes Done by the Institut Science (Institute of Residence) Force of Hydrodynandes Done by the Institut Respective force of Hydrodynandes Done by the Institut Respective force of Hydrodynandes Done by the Institut Respect force of Hydrodynandes force of		S.	
of the Discussion in Brief of the Discussion in Brief First Cosmic Cetaber No. 1955 P. Th. "Combine of Tear ical Science; hereetly, there on Hydrokynades Dower by the Institute of Power Engineering of the Academy of Karathakay SSR) y S.V. ("Processed"). Finite Froblem of Plow Thereoly, and the Combine of Plow Thereology Thereo	Kokarwy, H.Z. [Candidate of Technical Sciences; Ural salty politechalsky intuitut from Kirows, Sweallowsk (Ural Polyschifeal Institute from Kirow, Sverallowsk); Industrial Testing of New Gao Mends of Open Hearth Purnaces	173	
of the Discussion in Brief First Committee of Tooks for Sciences in Price of Tooks for Sciences in Mydrodynades Door by the Institute of Power Englicering of the Acetery of Karstickery Sen First Committee of Power Englicering of the Acetery of Marstickery Sen 7.3." (Proceeded), Finate Problems of Plan Thereoly, and Committee Conference of Plan Thereoly, and Committee Commi		196	
First Conditions October 25, 1955 P. Th. "Condition of Tech feet Science; Bosent], Fook on Hydrodynandes Done by the Institut Ererettid (Institute of Roser Engineering of the Academy of Karathakany SSR) P. S.V. (Absenced), Facte Froblems of Flow Therrolynamics Sourch; Conditions	Contents of the Discussion in Brief	306	
* 2.1. Subdishe of Teach feel Schence; Beecet], left on Widnhylandes Drow by the Institut Frengettid (Institute of Roor Enficeering of the Academy of Kardishaya SR) > 3.* (Precessed), Faste Froblem of Flow Therest, randes four languages.	First Cossion, October 35, 1955		
9, 3.V. (Decembed), Finate Froblems of Flow Thereolynamics Nourly, Cochileions	Ibulagev, P. Ib. Condidute of Teah feal Sciences; Decert). Survey of Voris on Hydrodynades Dore by the Institut Freeget141. All AndSR (Institute of Power Engineering of the Academy of	197	
ch in			
			,

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001757130006-1"

TSOY, S .; BAGAUTDINOV, A.G.

Mine ventilation without sealing the ventilation shaft mouth. Izv. AN Kazakh. SSR. Ser. gor dela no.2:109-112 '58. (MIRA 12:10)

(Mine ventilation)

BYUYRIN, A.I.; TSOY, S.

Some problems in the transfer of the Dzhezkazgan mines to a new mining procedure. Trudy Inst. gor. dela AN Kazakh. SSR 7:67-75 *60. (MIRA 14:6) (Dzhezkazgan region--Mining engineering)

KEKIN, A.A.; TSOY, S.; STAKHANOV, A.N.

Results of studying cloth filters for dust removal. Trudy Inst. gor. dela AN Kazakh. SSSR 10:157-167 '63. (MIRA 16:8)

(Filters and filtration) (Mine dusts-Removal)

KEKIN, A.A.; TSOY, S.; STAKHANOV, A.N.

Determining the dust content of air by the weighing method. Izv. AN Kazakh. SSR. Ser. gor. dela no.1:79-85 161. (MIRA 15:2) (Mine dusts)

TSO	Y, S.			
	Using Bystron ventilation n dela no.1:94-	's method in an analytic etwork systems. Izv. An 100 '61. (Mine ventilati	Kazakh. SSR. Šer. gor. (MTRA 15::	?)

TSOY, Samen, kand. tekhn.nauk; STANISLAV, Ivan Petrovich, inzh.; DZHAKUPBAYEV, A.N., laureat Leninskoy premii kand. tekhn. nauk, otv. red.; MOSKVICHEVA, L.N., red.

[Electric modeling devices for calculating ventilation networks; calculation of mine ventilation networks using electric modeling techniques] Elektromodelimiushchie pribory dlia rascheta ventiliatsionnykh setei; tekhnika rascheta shakhtnykh ventiliatsionnykh setei metodom elektricheskogo modelirovaniia. Alma-Ata, Nauka, Kazakhskoi SSR, 1965. 184 p. (MIRA 18:12)

TSOY, S.A.

Functional and morphological state of the adrenal cortex under the influence of some central neurotropic agents. Probl. endok. i gorm. 10 no.6:66-71 N-D '64. (MIRA 18:7)

1. Otdel farmakologii (zav. - prof. S.V.Anichkov) Instituta eksperimental'noy meditsiny AMN SSSR, Leningrad.

RYZHENKOV, V.Ye.; TSOY, S.A.

Functional and morphological changes in the hypothalamus-hypophysis system under the effect of the neurotropic drug ethylnorantiffeine. Biul. eksp. biol. i med. 59 no.4:64-66 Ap 165.

(MIRA 18:5)

1. Otdel farmakologii (zav. - deystvitel'nyy chlen AMN SSSR prof. S.V. Anichkov) Instituta eksperimental'noy meditsiny (dir. - deystvitel'nyy chlen AMN SSSR prof. D.A. Biryukov) AMN SSSR, Leningrad.

Automatic circuit breaker. Trudy Inst.gor.dela AN Kazakh.SSR 8:184-186 *61. (MIRA 15:4)

(Dust collectors) (Automatic control)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001757130006-1"

TSOY, S., kand, tekhn. nauk; FTTFFVICE, J.I.; TSKFAY, S.M.

Use of l near programming in determining the optimum variant of the distribution of air. Vest. AN Macakh. SSR 20 no.8:42-94. Ag '64.

(MIRA 17:11)

TSOY, Samen; ROGOV, Yevgeniy Ivanovich; ERAILOVSKAYA, M.Ya., rei.

[Principles of the theory of ventilation networks] Usnovy teoril ventiliatsionnykh setei. Alna-Ata, Nauka, 1965.
282 p. (MIRA 18:4)

S/271/63/000/003/005/049 A060/A126

AUTHORS:

Borukhov, M.Yu., Vakulyuk, A.P., Ivashev, V.N., Tsoy, T.G.

TITLE:

New types of radio-isotope relays and level indicators

PERIODICAL:

Referativnyy zhurnal, Avtomatika, telemekhanika i vychislitel'naya tekhnika, no. 3, 1963, 28, abstract 3A153 (In collection "Vopr. sovrem. fiz. i matem.", Tashkent, AN UZSSR, 1962, 65 - 77)

TEXT: The paper describes new relay networks developed at the AN UZSSR, which make it possible to extend considerably the domain of relay application, in particular giving the means for determining the deviation of a parameter in either direction from a specified value, for maintaining a prespecified relationship between engineering parameters, and so on. The authors analyze the operation of a differential radio-isotope relay and a three-position relay. A mathematical designing method is given for the operation of a network for the case of controlling the thickness of a material and which permits of finding the minimum activity for the radiation source ensuring the reliable operation of the radio-isotope relay to thickness deviations of the material exceeding the ad-

Card 1/2

8/271/63/000/003/005/049

New types of radio-isotope relays and level indicators A060/A126

missible values. A network is described of a radio-isotope: multi-position level-indicator distinguished by the fact that, regardless of the number of positions, it has only two amplifier channels located in a single electron tube. The reduction in the number of amplifier channels became possible through the inclusion in the instrument of a stepping switch operating in the stepper mode. On both sides of the vessel in which the level of the contained medium is being measured at every interval of probable values of the level, radioactive sources and counters are set up opposite to each other. The stepping action of the relays is continued until a difference is discovered in the degree of irradiation of two neighboring receivers. A sharp difference in the degree of irradiation of two adjacent receivers is observed in the case when the level of the filling medium is between these receivers. The difference in the signals causes the operation of the relay connected between the plates of a DC bridge rectifier. There are 5 figures.

A. V.

[Abstracter's note: Complete translation]

Card 2/2

TSOY, T. G., BORUKHOV, M. Yu., BAKULYUK, A. P., and IVASHEV, V. H.

"New Types of Radioactive Isotope Relays and Level Gauges"

paper presented at the All-Union Seminar on the Application of Radioactive Isotopes in Measurements and Instrument Building, Frunze (Kirgiz SSR), June 1961)

So: Atomnaya Energiya, Vol 11, No 5, Nov 61, pp 468-470

ACC NR AP7002925

SOURCE CODE: UR/0167/66/000/005/0088/0090

AUTHOR: Borukhov , M. Yu.; Tsoy, T. G.

ORG: Institute of Nuclear Physics, AN UzSSR (Institut yadernoy fiziki UzSSR)

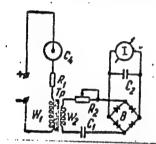
TITLE: High-reliability radiometers

SOURCE: AN UzSSR. Izvestiya. Seriya tekhnicheskikh nauk, no. 5, 1966, 88-90

TOPIC TAGS: radiometer, radiometry, radiation measurement, ELICTRONIC CIRCUIT

ABSTRACT:

A radiometer circuit is proposed (see Fig. 1) which consists of Geiger-Muller counters (C_2) , a transformer (Tr) with two windings $(W_1 \text{ and } W_2)$ on a circular ferrite core, a rectifier (B), an indicator (I), and a power supply.



Proposed radiometer circuit

Card 1/2

UDC: none

Because of the presence of an inductance and a stray capacitance (caused by ACC NR: AP7002925 winding W1) in the circuit of the counters, each gamma-quantum or particle recorded by the counters generates a series of damped oscillations. Amplitudes and frequencies of these oscillations are practically independent of the characteristics of the basic pulse from which they originated and are dependent only on the circuit parameters. The oscillations are transmitted through transformer Tr to the second measuring section, at the output of which they are rectified and, after being smoothed out by capacitance C_2 , are passed on to the indicator. The second measuring section is tuned in resonance with the first section by capacitor C_1 . An analysis of the proposed radiometer circuit is made. On the basis of this circuit an instrument consisting of 5 STS-5 counters connected in parallel was built with the following characteristics: load resistance (R1), 3.6 milliohm; with the following characteristics. load resistants (R_1), R_2 = 18 mm, R_3 = 7 mm, circular ferrite core: R_2 = 31 mm, R_3 = 18 mm, R_4 = 1 kohm, R_2 = 8 μ f. R_4 = 6000 turns, R_4 = 100 turns, R_4 = 1 kohm, R_5 = 8 μ f. Sensitivity of the instrument is 0.5 μ amp/pulse/sec. Orig. art. has: [JR] (WA-75) 7 formulas and 3 figures. SUB CODE: 18/ SUBM DATE: 13Apr65/ ATD PRESS: 5115 Card 2/2

TIPPONEN, V.I., gornyy inzh.; TEOKHAROV, N.B., gornyy inzh.; TSOY, V.Ch., gornyy inzh.

Attachment for balancing parts. Gor. zhur. no.5:69 My '63. (MIRA 16:5)
. (Balancing of machinery)

KELESOV, R.; AYDARKHANOV, B.A.; ZEL'TSER, M.F.; KIM, G.G.; TSOY, $V_{\bullet}P_{\bullet}$

Spreading of sheep goiter in Alma-Ata Province. Izv. AN Kazakh. SSR. Ser. biol. nauk 3 no.5:102-105 S-0 '65. (MIRA 18:11)

New equipment and techniques as the basic source for the increase of labor productivity. Tokst. prem. 25 no.9:91 S '65. (MIRA 18:10)

1. Starshiy inzh. tekhnicheskogo otdela Chimkentskogo khlopchatobumazhnogo, kombinata.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001757130006-1"

FARKHIYEV, L.D. (Ufa); TSOY, V.V. (Kungrad)

Efficiency promoters of the State Trust of the Fastern Petroleum and Gas Industry at the construction of surface structures of the Bukhara-Ural Natural Gas Pipeline. Stroi. truboprov. 9 no.6:23-24 Je '64. (MIRA 17:12)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001757130006-1"

88267

11.1230

s/170/61/004/001/005/020 B019/B056

AUTHORS:

Rabinovich, V. A. and Toomman, G. I.

TITLE:

Equation of State and Thermodynamic Properties of Liquid

Ammonia

PERIODICAL:

Card 1/2

THE PROPERTY OF THE PARTY OF TH

Inzhenerno-fizicheskiy zhurnal, 1961, Vol. 4, No. 1,

pp. 31-36

oî

TEXT: In the introduction the difficulties in setting up the equation of state for liquid ammonia are discussed and, proceeding from the well-known thermodynamic relation

relation $(\partial c_{\mathbf{v}}/\partial \mathbf{v})_{\mathbf{T}} = \mathbf{T}(\partial^2 \mathbf{p}/\partial \mathbf{T}^2)_{\mathbf{v}}$ (2),

the equation of state $p = A(v) + B(v)T + f'(\partial P/\partial v)(dT/T) dT \qquad (3)$ is obtained. As follows from the results obtained by Keyes (Ref. 1) mentioned in a diagram, the isochores of liquid ammonia may be well approximated by means of the equation $p = A_v + B_vT = (4)$ with $v = 1.6 - 2.4 \text{ l/kg} \text{ and } t = 30 - 180^{\circ}\text{C}, \text{ if } A_v = 412.9 - 11089v^{-1.682}; (5)$

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001757130006-1"

88267

Equation of State and Thermodynamic Properties of Liquid Ammonia

5/170/61/004/001/005/020 B019/B056

 $B_{\tau} = 2.6876 + 77.827v^{-3.706} + \Lambda B$. On the basis of (4), the specific volumina on the saturation curve are calculated, and a comparison with data by R. Plank (Ref. 7) shows nearly complete agreement. Furthermore, on the basis of (4), the integral equation

 $i = i_{\mathbf{f}} - A \int_{\mathbf{v}} A_{\mathbf{v}} d\mathbf{v} + A(\mathbf{p}\mathbf{v} - \mathbf{p}_{\mathbf{f}}\mathbf{v}_{\mathbf{f}}) \qquad (7) \text{ for the enthalpy,}$ and the integral equation $S = S_{\mathbf{f}} + \int_{\mathbf{v}} B_{\mathbf{v}} d\mathbf{v} \qquad (8) \text{ for the entropy is}$

obtained. A comparison with experimental data again shows good agreement. The formulas given here permit a calculation of the thermodynamic properties of liquid ammonia in the temperature range of 30 - 180°C at

pressures of 1 - 500 kg/cm². There are 3 figures, 3 tables, and 10 references: 2 Soviet, 6 US, 1 British, and 1 German.

Tsentral'noye proyektno-konstruktorskoye byuro No 3, ASSOCIATION: g. Odessa (Central Project-Constructing Office No. 3, Odessa). Institut inzhenerov Morskogo flota, g. Odessa

(Institute for Naval Engineers, Odessa)

SUBMITTED: April 18, 1960

APPROVED FOR RELEASE: 03/14/2001

Card 2/2

CIA-RDP86-00513R001757130006-1"

TSOYMAN, G.I.

Thermodynamic properties of liquid armonia. Izv. vys. ucheb. zzv.; neft' i gaz 7 no.7:111 '64. (MIRA 17:9)

1. Odesskiy kreditno-ekonomicheskiy institut.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001757130006-1"

KAZAVCHINSKIY, Ya.Z.; TSOYMAN, G.I.

Method for correlating the law of corresponding states for the purpose of determining the thermodynamic properties of univestigated substances. Inzh.-fiz. zhur. 4 no.6:58-63 Je '61. (MIRA 14:7)

Equation of the state of dichlorodifluoromethane (freon-12).
Inzh.-fiz. zhur. 6 no.7:121-123 J1 '63. (NIRA 16:9)

(Equation of state) (Methane)

1 SOY YANCH MIX

110-12-16/19

AUTHOR: Venikov V.

Venikov, V.A., Doctor of Technical Sciences, Professor, Tsov'yanov, A.H., Engineer and Khudyakov, V.V., Candidate

of Technical Sciences.

TITIE:

New Sources of Reactive Power that Can be Used to Improve the Utilisation of Generators and Synchronous Compensators. (Novyye istochniki reaktivnoy moshchnosti, pozvolyayushchiye uluchshit' ispol'zovaniye generatorov i sinkhronnykh kompensatorov)

PERIODICAL: Vestnik Elektropromyshlennosti, 1957. Vol.28, No.12, pp. 59 - 64 (USSR)

ABSTRACT: The cost of alternators and synchronous compensators is higher than that of static capacitors and reactors. However, static capacitors and reactors are usually not flexible enough to replace synchronous compensators. The latter can be cheapened by simiplification of the field system, but cannot normally operate at high lagging reactive power. Valve-operated exciter circuits such as illustrated in Fig.1 help to improve matters. Changes in the region of stability that result from changes in the generator parameters are shown in Figs. 2 and 3. It is claimed that the use of electronic-ionic field regulators with high-speed regulating systems can greatly improve the Cardl/4 operating conditions of synchronous compensators. Capacitance

110-12-16/19

注:"是是是是有利用的证明。"

New Sources of Reactive Power that Can be Used to Improve the Utilisation of Generators and Synchronous Compensators

placed in series with the compensator winding reduces by 50-80% the transient impedance of the synchronous compensator, and thus improves its dynamic and static stability for given field currents as shown in Fig. 4. To make the best use of static capacitors combined with machines, it is necessary to be able to introduce the static capacitors smoothly. Until recently, this was impossible. However, capacitance can be controlled by including synchronous compensators in parallel or series with the capacitors, the synchronous machines being of relatively small output. Schematic diagrams are given in Fig. 6. Such circuits call for relatively high control power but this can be reduced by connecting a capacitance in parallel with the controlled circuit, as shown in Fig. 8 Brief mathematical expressions are given for the power in the various arts of the circuit and were verified by special experiments. It still remains to develop a practical rectifier-inverter scheme for the control of capacitors, and a possible circuit shown in Fig. 9. The rectifier-inverter set consists of ordinary grid-controlled mercury-arc rectifiers. operation the rectifier-inverter consumes reactive power and has a very small active load. Analytical expressions are given for Card2/4 the reactive power. It is shown that regulation of the reactive

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001757130006-1"

生 阿拉斯基特尔

110-12-16/19

New Sources of Reactive Power that Can be Used to Improve the Utilisation of Generators and Synchronous Compensators.

power consumed by the rectifier-inverter set occurs because of change in the currents through the rectifier and inverter transformers. A variant of the circuit given in Fig. 9 is that given in Fig. 11. The parcula consists of two separate rectifiers, each of which operates in short circuit on a smoothing choke. The method of operation of the circuit is explained. Rectifiers and inverters should be very reliable in circuits such as have been described which can also be used to realise Taylor's proposal to stabilise a transmission line. Here, special seriesparallel transformers convert the capacitative current of the line and the corresponding reactive power into reactive power to compensate the reactive voltage drop in the line; Fig. 12A shows the scheme.

The authors, having re-examined the distribution of sources of reactive power within a transmission system, also consider the possibility of using such devices to relieve generators of reactive power. The use of alternators to generate reactive power has developed historically but other approaches are now possible. For example a circuit such as that shown in Fig. 13 Card3/4 could be used. Moreover, with alternative sources of reactive power, it would be possible to use asynchronous generators in

New Sources of Reactive Power that Can be Used to Improve the Utilisation of Generators and Synchronous Compensators. 110-12-16/19

in power stations. The article does not claim to describe developed industrial designs; it is based only on preliminary theoretical investigations verified on a laboratory scale and is presented to promote discussion. Details of the circuit proposed may be questionable, and certainly need serious development, but, undoubtedly, electronic-ionic techniques, automatic control and capacitor manufacture are now sufficiently advanced to make possible the introduction of new elements into heavy current

There are 13 figures and 3 references, 2 of which are Slavic. ASSOCIATION: MEI and VEI

AVAILABLE: Library of Congress.

Card 4/4

SOV/110-58-7-19/21

AUTHOR:

Professor Venikov, V.A., Dr. Tech. Sci., Tsov'yanov, A.N., Engineer, and Khudyakov, V.V., Cand. Tech. Sci.

TITLE:

On the question of new sources of reactive power that may be used to improve the utilisation of generators and

synchronous condensers.

(K voprosu o novykh istochnikakh reaktivnoy mosh chnosti, pozvolyayushchikh uluchshit' ispolzovaniye generatorov i sinkhronnykh kompensatorov)

PERIODICAL: Vestnik Elektropromyshlennosti, 1958, Nr 7, pp 66-70. (USSR)

ABSTRACT:

This is a general reply to discussions, including that published with the article in Vestnik Elektropromyshlennosti Er 12, 1957, and those published in this number. Most contributors consider the proposed system promising although practical verification of the circuits is not yet complete and economic considerations cannot yet be fully

Card 1/4

worked out. Likewise it is still premature to make the economic evaluation proposed by certain contributors, but

SOV/110-58-7-19/21

On the question of new sources of reactive power that may be used to improve the utilisation of generators and synchronous condensers.

an approximate economic assessment is given in an Appendix. Tests have shown that the controlled valves in the a.c. circuit are the controlling link and can alter the instant of application of voltage and the time of flow of current in the circuit during each cycle. Oscillograms have shown that over-voltages and valve overloading do not occur when the regulation is being applied to reactive power in circuits with active or inductive impedance. It is very desirable that the koscow Power Institute, the All-Union Electrotechnical Institute and others should go into the whole question. The article gives only the fundamentals and laboratory models of the circuits proposed for the installation, and of course further development is required. Hevertheless the proposed method is promising. Certain variants of the circuit that have been proposed in the discussion have obvious defects, but some other remarks are very helpful. Harmonic analysis of the current in a

Card 2/4

S0Y/110-58-7-19/21

On the question of new sources of reactive power that may be used to improve the utilisation of generators and synchronous condensers.

controlled reactor is given in Fig. 2, it assumes that the angle of regulation is zero and that the valves are fully conductive. This analysis shows that in practice it will only be necessary to compensate for the third harmonic. Yenin and Libkind very correctly suggested other possible ways of achieving the desired object. However, a disadvantage of devices involving sub-magnetisation of transformers or reactors is the rather large time-constant, which must be greater than that of an ionic valve compensator; therefore, circuits with controlled valves are preferable. Libkind's proposal to reduce the time-constant of sub-magnetisation is worthy of attention. Yenin's proposal to use a doublebridge circuit will complicate the equipment and increase losses; moreover, Yenin's equipment can only operate over a limited range of power-factor. Nevertheless, these two circuits are both worth further careful study. Many of the objections raised by Academician M.P. Kostenko, Professor D.A. Zavalishin and Candidate of Technical Science I.A. Card 3/4 Glebov, result from incorrect consideration of the circuit

SOV/110-58-7-19/21

On the question of new sources of reactive power that may be used to improve the utilisation of generators and synchronous condensers

proposed, and their objections are met. It is no accident that power engineers are now interested in this question, and early use should be made of the proposed equipment. However, it should be noted that the change in output of reactive power obtained by changing only the characteristics of a controlled reactor or transformer cannot ensure the necessary balance of reactive power in a system: the development of an ionic compensator is a separate and important task, which can be solved. Only the use of inertialess reactive power can make electric power systems stable. The advantages of ionic compensators are again summarised. An appendix contains an approximate cost estimate for an ionic compensator compared with a synchronous condenser and it is shown that they are Card 4/4 about the same. There are 4 figures, and 2 references both of which are Soviet.

1. Capacitors--Performance 2. Generators---Performance 3. Power supplies--Sources

SEMENOV, Ye.P.; TSOY, L.A.

Autoantibodies in experimental myocardiac infraction. Izv.
SO AN SSSR no.12. Ser. biol.-med. nauk no.3:145-146 '63.
(MIRA 17:4)

1. Otdel eksperimental'noy biologii Instituta tsitologii i genetiki Sibirskogo otdeleniya AN SSSR, Novosibirsk.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001757130006-1"

1500 YA DOJ, H. W.

VENIKOV, V.A., doktor tekhn.nauk, prof.; TSOV'YANOV, A.N., inzh.; KHUDYAKOV, V.V., kand.tekhn.nauk.

New sources of reactive power permitting improved use of generators and synchronous compensators. Vest.elektroprom. 28 no.12:59-64 D '57. (MIRA 10:12)

- 1. Moskovskiy energeticheskiy institut (for Veniko, TSov'yanov).
- 2. Vsesoyuznyy elektrotekhnicheskiy institut (for Khudyakov).
 (Electric generators)

TSOV'KANOV, N. A.

Technique of using obstetric forceps

Moskva, Medgiz, 1944.

67 p.

TSOV'YANOV, N. A.

otvet na kriticheskiye mamechaniya doktora meditsinckikh nauk s.d. astrinskogo (v zhurn. akusherstvo i ginekologiya,

1949, po povodu stat'i avtora k tekhnike kraniotomin

vysoko stoyashchey golovki). aksherstvo i ginekologiya, 1949

No. 6, s. 55-57.

So. Letopis' Zhurnal'nykh Statey, Vol. 47, 1949

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001757130006-1"

TSOV 'YANOV, N. A.

New method of conduction of labor in breech presentation. Sozet. med. no.10:32-35 Oct 1951. (CLML 21:1)

1. Doctor Medical Sciences. 2. Moscow.

SOV/144-58-11-17/17

Tsov'yanov, T. K. (Cand. Tech. Sci., Docent) AUTHOR:

The Reconstruction of Motor Buses Type ZIS-154 as Trolley TITIE:

Buses (Peredelka avtobusov ZIS-154 v trolleybusy)

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Elektromekhanika,

1958, Nr 11, pp 140-143 (USSR)

Motor bus ZIS-154, produced shortly after the war, had diesel ABSTRACT: electric transmission. The type of electric motor used is described. These machines have proved unreliable in service, particularly the diesel engines. In 1952 it was decided to try to reconstruct some of these machines as trolley buses. The diesel engine and generator were removed and the motor was rewound for 550-600 V. Overhead trolleys and control equipment were provided. The reconstruction itself proved very simple. However, when the original engine and generator, weighing about 1.5 tons, were removed the weight distribution was upset. The steps that were taken to overcome this difficulty are described. Full details are given of the methods

Card 1/2

SOV/144-58-11-17/17

och etter er er er betallen beskilten, de betallen fra er beskilten betallen.

The Reconstruction of Motor Buses Type ZIS-154 as Trolley Buses of reconstruction adopted. The reconstructed machines are behaving well in service. The start is very smooth and the braking is efficient. The power consumption is less than that of trolley bus type MTB-82. However, the reconstructed machines are somewhat slower than the regular ones. There are no figures or references.

ASSOCIATION: Kafedra elektrostantsiy, setey i sistem Yerevanskogo politekhnicheskogo instituta (Chair for Electric Power Stations, Networks and Systems, Yerevan Polytechnical Institute)

SUBMITTED: October 9, 1958.

Card 2/2

TO BE THE PROPERTY OF THE PROP

Name: TSOV'YANOV, T. K.

Dissertation: Determining the maximum loads for streetcar networks and

substations

Degree: Cand Tech Sci

Acad of Communal Economy imeni K. D. Pamfilov, Erivan

Polytechnical Inst imeni K. Marx

ge Date, Place: 1956, Moscow

Source: Knizhnaya Letopis', No 51, 1956

TSOV'YAHOV. Tigran Konstantinovich, kand. tekhn. nauk, dots.

The Control of the San Control of the Control of th

Conversion of ZIS-154 omnibuses into trolley buses. Izv.vys. ucheb.zav.; elektromekh. 1 no.11:141-143 '58. (HIRA 12:2)

l. Kafedra elektrostantsiy, setey i sistem Yerevanskogo politekhnicheskogo instituta.
(Omnibuses) (Trolley buses)

KRASIL'NIKOV, V.D., gornyy inzh.; SIDORENKO, I.A., gornyy inzh.; TSOY, A.G., gornyy inzh.

Cinephotometric method of studying the productivity of rotary-bucket excavators. Nauch. trudy Mosk. inst. radioelek. i gor. elektromekh. no.46:128-132 '62. (MIRA 17:1)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001757130006-1"

TSOY, A.G.

ATAULIN, V.V.; VLASOVA, R.M.; DAVYDOVA, Ye.A.; DANILENKO, I.S.; DZIOV, V.A.;

DUBROVIN, A.P.; YEFAROVA, L.V.; KARPENKO, L.V.; KLEPIKOV, L.N.;

KOTRELEV, S.V.; LUK'YAHOV, N.I.; MEL'NIKOV, H.V., prof., obshchiy

red.; MKRTYCHAN, A.A.; NEMTINOV, A.M.; POGOSYANTS, V.K.; SEMIZ,

M.D.; SKOBLO, G.I.; SLOBODCHIKOV, P.I.; SMIRNOV, V.M.; SUSHCHENKO,

A.A.; SOKOLOVSKIY, M.M.; TRET'YAKOV, K.M.; FISH, Ye.A.; TSOY, A.G.;

TSYPKIN, V.S.; CHEKHOVSKOY, P.A.; CHIZHIKOV, V.I.; ZHUKOV, V.V.,

red.izd-va; KOROVENKOVA, Z.L., tekhn.red.; PROZOROVSKAYA, V.L.,

tekhn.red.

[Prospects for the open-pit mining of coal in the U.S.S.R.; studies and analysis of mining and geological conditions and technical and economic indices for open-pit mining of coal deposits] Perspektivy otkrytoi dobychi uglia v SSSR; issledovanie i analiz gornogeologi-cheskikh uslovii i tekhniko-ekonomicheskikh pokazatelei otkrytoi razrabotki ugol'nykh mestorozhdenii. Pod obshchei red. N.V.Mel'-nikova. Moskva, Ugletekhizdat, 1958. 553 p. (MIRA 11:12)

1. Vsesoyuznyy tsentral'nyy gosudarstvennyy proyektnyy institut "Tsentrogiproshakht." 2. Chlen-korrespondent AN SSSR (for Melinikov).

(Coal mines and mining)

TSOY, A.G., gornyy inzh.; KOTRELEV, S.V., gornyy inzh.

Methods of planning the economic aspects of open pit coal mining.

Ugol' 33 no.11:23-24 N '58. (MIRA 11:11)

(Coal mines and mining--Costs) (Strip mining)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001757130006-1"

等。 在1961年1月1日 - 1961年 - 1

TSGY, A.N., kand.sel'skokhozyaystvennykh nauk

Efficient use of perennial grasses. Zemledelie 5 no.12:84-86
D '57. (Grasses)

(Grasses)

"APPROVED FOR RELEASE: 03/14/2001

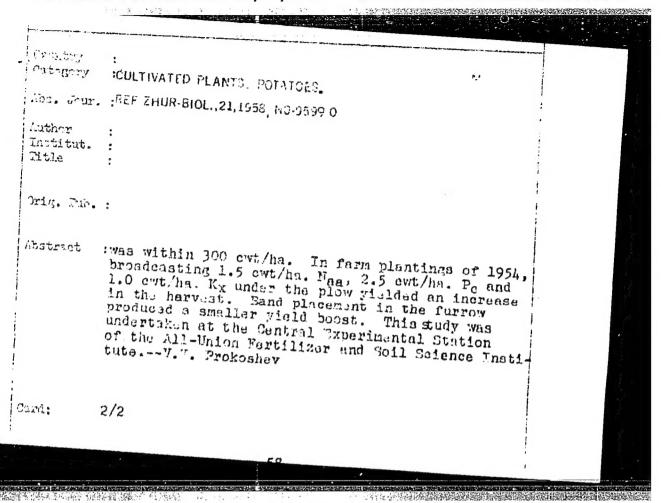
CIA-RDP86-00513R001757130006-1

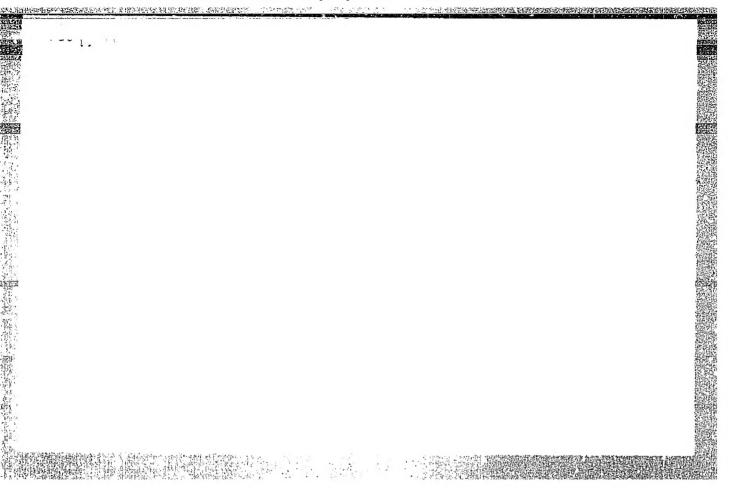
25500 Vliyaniye edobreniy na produktilnost' sevopborota (Kuznetz'aya Oryt. Stantsiya). Trudy vsesoyur. Nauch-Issled. In-ts udobreniy a rotekhriki i agropodivovedeniya im. Gedroytsa, vyp. 27, 1949, c. 124-34.

So: LETOPIS' No. 35, 1949

: USSR : CULTIVATED PLANTS POTATOES, Vegetables. Gucurbita. Spiritey Catogray Ros. Jour. : ESF ZHUR-EIOL.,21,1958, NO-96990 : Taoy, A. W. : Yefimova, A.S. Institute: : All-Union Sci.Res. Inst. of Fertilizers and Agri-: The Results of Trials in Local Application of Mineral Fertilizers under Potatoes "hen Planting Title Orig. Pub. : Byul. nauchno-tekhn. inform. Vses. n.-1. in-t udobr. i agropochyoved., 1957, "o.3, 8-13 : The application of P205 at 20 kg, N at 15 kg, K20 at 10 kg per hill of potatoes did not fully Abstract provide the plants with adequate nutrients. N, P and E (45 kg/ha.) in the hill increased, in the opinion of the authors, the salt concentration in the area of the aprouting tubers. Bund placement of M45 P45 K45 produced in 1953 an increase to broadcast application of 10%, in 1954 it was 30% higher than the other methods when the tuber yield *cultural Soil Science. 1/2 Carl:

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001757130006-1"





- 1. MOSLOV, I. V.; TSOY, A. N.; PANOVA, A. V.
- 2. USSR (600)
- 4. Wheat
- 7. Effect of fertilizers on the yield of spring wheat sown after perennial grasses, Sov. agron., 11, No. 2, 1953.

9. Monthly List of Russian Accessions, Library of Congress, April, 1953, Uncl.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001757130006-1"